



Water-Data Report CA-2005

10336700 INCLINE CREEK NEAR CRYSTAL BAY, NV

Pyramid and Winnemucca Lakes Basin

LOCATION.--Lat 39°14'25", long 119°56'38" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.22, T.16 N., R.18 E., Washoe County, Hydrologic Unit 16050101, on right bank 500 ft upstream from culvert on Lakeshore Boulevard, 1,000 ft upstream from mouth, just below mouth of major tributary, and 3 mi east of Crystal Bay.

DRAINAGE AREA.--6.74 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1966 to September 1975, November 1987 to current year (low flow, partial record site only, October 1966 to September 1969, October 1973 to February 1975).

GAGE.--Water-stage recorder. Datum of gage is 6,246.90 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regular diversion above station. Possibly some light pumping or diversion of water for construction or irrigation. See schematic diagram of Pyramid and Winnemucca Lakes Basin.

10336700 INCLINE CREEK NEAR CRYSTAL BAY, NV—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[*e*, estimated]

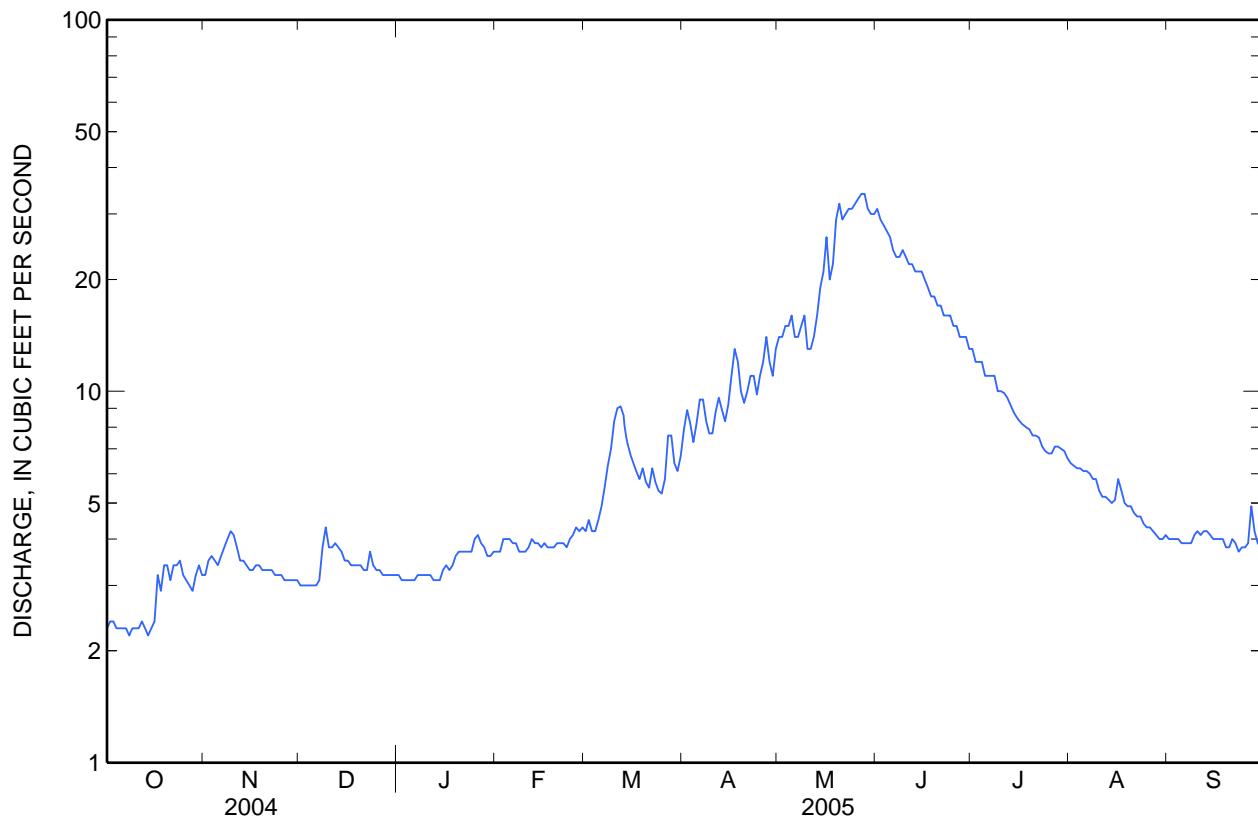
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.3	3.2	e3.0	e3.2	3.7	4.2	7.9	14	31	13	6.4	4.0
2	2.4	3.5	e3.0	e3.1	3.7	4.5	8.9	14	29	12	6.3	4.0
3	2.4	3.6	e3.0	e3.1	4.0	4.2	8.2	15	28	12	6.2	4.0
4	2.3	3.5	e3.0	e3.1	4.0	4.2	7.3	15	27	12	6.2	4.0
5	2.3	3.4	3.0	3.1	4.0	4.5	8.2	16	26	11	6.1	3.9
6	2.3	3.6	3.0	3.1	3.9	4.9	9.5	14	24	11	6.1	3.9
7	2.3	3.8	3.1	3.2	3.9	5.5	9.5	14	23	11	6.0	3.9
8	2.2	4.0	3.8	e3.2	3.7	6.3	8.3	15	23	11	5.8	3.9
9	2.3	4.2	4.3	e3.2	3.7	7.0	7.7	16	24	10	5.8	4.1
10	2.3	4.1	3.8	e3.2	3.7	8.3	7.7	13	23	10	5.4	4.2
11	2.3	3.8	3.8	3.2	3.8	9.0	8.8	13	22	9.9	5.2	4.1
12	2.4	3.5	3.9	3.1	4.0	9.1	9.6	14	22	9.6	5.2	4.2
13	2.3	3.5	3.8	3.1	3.9	8.6	8.9	16	21	9.2	5.1	4.2
14	2.2	3.4	3.7	3.1	3.9	7.4	8.3	19	21	8.8	5.0	4.1
15	2.3	3.3	3.5	3.3	3.8	6.8	9.2	21	21	8.5	5.1	4.0
16	2.4	3.3	3.5	3.4	3.9	6.4	11	26	20	8.3	5.8	4.0
17	3.2	3.4	3.4	3.3	3.8	6.1	13	20	19	8.1	5.4	4.0
18	2.9	3.4	3.4	3.4	3.8	5.8	12	22	18	8.0	5.0	4.0
19	3.4	3.3	3.4	3.6	3.8	6.2	10	29	18	7.9	4.9	3.8
20	3.4	e3.3	3.4	3.7	3.9	5.7	9.3	32	17	7.6	4.9	3.8
21	3.1	e3.3	3.3	3.7	3.9	5.5	10	29	17	7.6	4.7	4.0
22	3.4	e3.3	3.3	3.7	3.9	6.2	11	30	16	7.5	4.6	3.9
23	3.4	3.2	3.7	3.7	3.8	5.7	11	31	16	7.1	4.6	3.7
24	3.5	3.2	3.4	3.7	4.0	5.4	9.8	31	16	6.9	4.4	3.8
25	3.2	3.2	3.3	4.0	4.1	5.3	11	32	15	6.8	4.3	3.8
26	3.1	3.1	3.3	4.1	4.3	5.8	12	33	15	6.8	4.3	3.9
27	3.0	e3.1	3.2	3.9	4.2	7.6	14	34	14	7.1	4.2	4.9
28	2.9	e3.1	3.2	3.8	4.3	7.6	12	34	14	7.1	4.1	4.2
29	3.2	e3.1	3.2	3.6	---	6.4	11	31	14	7.0	4.0	3.9
30	3.4	e3.1	e3.2	3.6	---	6.1	13	30	13	6.9	4.0	3.8
31	3.2	---	e3.2	3.7	---	6.7	---	30	---	6.6	4.1	---
Total	85.3	102.8	105.1	106.2	109.4	193.0	298.1	703	607	276.3	159.2	120.0
Mean	2.75	3.43	3.39	3.43	3.91	6.23	9.94	22.7	20.2	8.91	5.14	4.00
Max	3.5	4.2	4.3	4.1	4.3	9.1	14	34	31	13	6.4	4.9
Min	2.2	3.1	3.0	3.1	3.7	4.2	7.3	13	13	6.6	4.0	3.7
Ac-ft	169	204	208	211	217	383	591	1,390	1,200	548	316	238

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.75	4.05	4.23	5.10	5.12	7.94	10.9	16.4	14.5	7.68	4.36	3.44
Max	6.79	6.76	8.78	19.6	12.2	16.9	23.1	36.7	48.4	35.0	14.4	8.66
(WY)	(1996)	(1999)	(1997)	(1997)	(1996)	(1997)	(1997)	(1996)	(1995)	(1995)	(1995)	(1995)
Min	1.35	1.82	2.07	2.06	2.64	3.72	3.55	2.71	2.04	1.19	0.99	0.44
(WY)	(1989)	(1993)	(1993)	(1993)	(1991)	(1992)	(1988)	(1988)	(1988)	(1988)	(1988)	(1999)

10336700 INCLINE CREEK NEAR CRYSTAL BAY, NV—Continued**SUMMARY STATISTICS**

	Calendar Year 2004	Water Year 2005	Water Years 1970 - 2005	
Annual total	1,914.3	2,865.4		
Annual mean	5.23	7.85	7.45	
Highest annual mean			15.4	1995
Lowest annual mean			2.51	1992
Highest daily mean	14	Mar 23	34	May 27
Lowest daily mean	2.1	Sep 8	2.2	Oct 8
Annual seven-day minimum	2.1	Sep 8	2.3	Oct 4
Maximum peak flow			42	May 27
Maximum peak stage			2.65	May 27
Annual runoff (ac-ft)	3,800	5,680	5,390	
10 percent exceeds	11	18	16	
50 percent exceeds	3.8	4.2	4.9	
90 percent exceeds	2.3	3.1	2.1	



10336700 INCLINE CREEK NEAR CRYSTAL BAY, NV—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970-73, 1978-79, 1988 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Apr 1998 to Nov 2000 (discontinued).

INSTRUMENTATION.--Water temperature recorder Apr 1998 to Nov 2000, two times per hour.

REMARKS.--In Nov 1987, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Nutrient samples were analyzed by the University of California, Davis, Tahoe Research Group. Quality assurance samples associated with the entire Lake Tahoe Interagency Monitoring Program are listed under station numbers 103366769999 and 103367309999. Hydrazine method used to determine nitrate plus nitrite concentrations (00631) was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 16.0°C, Sep 7, 10, 11, 15, 1999; minimum, freezing point many days during winter months.

10336700 INCLINE CREEK NEAR CRYSTAL BAY, NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 1 of 2

[Remark codes: <, less than.]

Date	Time	Sample type	Instan-	Baro-	Dis-	pH,	Specif.	Ammonia			
			taneous dis- charge, cfs (00061)	metric pres- sure, mm Hg (00025)	solved oxy- gen, mg/L (00300)	solved oxy- gen, percent of sat- uration (00301)	water, unfltrd field, std units (00400)	conduc- tance, wat unf uS/cm (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	+ org-N, water, mg/L (00623)
Oct											
04...	1410	Environmental	2.4	--	--	--	--	88	20.0	9.5	-- .13
Nov											
04...	1340	Environmental	3.6	--	--	--	--	115	5.5	1.5	-- .15
Dec											
06...	1350	Environmental	3.1	601	11.3	100	7.7	90	1.0	.5	.04 .07
Jan											
05...	1255	Environmental	3.6	--	--	--	--	94	.0	.0	-- .16
Feb											
02...	1245	Environmental	3.8	--	--	--	--	111	4.5	2.0	-- .09
Mar											
02...	1355	Environmental	5.2	608	11.3	108	7.8	155	5.0	3.8	.10 .36
09...	1320	Environmental	6.2	--	--	--	--	139	8.5	5.0	.11 .21
Apr											
06...	1500	Environmental	9.3	--	--	--	--	153	14.0	5.5	.09 .21
21...	1135	Environmental	8.7	--	--	--	--	131	8.5	1.5	.07 .08
27...	1050	Environmental	15	--	--	--	--	118	8.0	2.5	.14 .30
May											
03...	1340	Environmental	13	--	--	--	--	103	11.5	7.0	.10 .35
05...	1415	Environmental	18	--	--	--	--	94	6.0	5.0	.06 .42
13...	1410	Environmental	15	--	--	--	--	95	15.5	8.5	.10 .20
16...	1235	Environmental	26	--	--	--	--	68	1.5	4.0	.13 .67
17...	1440	Environmental	20	--	--	--	--	78	6.0	5.0	.15 --
19...	1240	Environmental	28	--	--	--	--	63	12.5	5.5	.11 .60
20...	1020	Environmental	29	--	--	--	--	63	12.0	5.5	.11 .72
23...	1440	Environmental	30	--	--	--	--	56	19.5	9.0	.15 .25
25...	1230	Environmental	29	--	--	--	--	57	19.0	7.5	.12 .22
25...	1745	Environmental	38	--	--	--	--	46	19.0	7.0	.14 .59
27...	1605	Environmental	38	--	--	--	--	46	23.0	9.0	.12 .65
31...	1410	Environmental	29	--	--	--	--	52	18.5	9.0	.08 .31
Jun											
08...	1450	Environmental	24	607	10.2	102	7.6	56	9.0	5.5	.05 .22
15...	1825	Environmental	22	--	--	--	--	50	15.5	10.0	.08 .21
22...	1325	Environmental	16	--	--	--	--	55	19.0	8.5	.06 .10
Jul											
08...	1400	Environmental	11	--	--	--	--	68	22.5	11.0	.06 .10
Aug											
01...	1500	Environmental	6.7	--	--	--	--	81	24.0	12.5	-- .08
01...	1505	Replicate	--	--	--	--	--	--	--	--	.08
Sep											
12...	1535	Environmental	4.8	610	10.8	112	7.4	86	16.5	7.3	-- .07
27...	1100	Environmental	5.0	--	--	--	--	95	9.0	6.5	.10 .18

10336700 INCLINE CREEK NEAR CRYSTAL BAY, NV—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 2 of 2

[Remark codes: <, less than.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, unfltrd water, mg/L (00665)	Suspnd. sediment, sieve diameter, <.063mm (70331)	Sus-pended sediment concentra-tion mg/L (80154)	Sus-pended sediment dis-charge, tons/d (80155)
Oct								
04...	.006	.004	.008	.017	.030	--	38	.25
Nov								
04...	.005	.003	.008	.032	.034	--	2	.02
Dec								
06...	.003	.013	.005	.019	.028	--	2	.02
Jan								
05...	<.003	.023	.005	.017	.033	--	7	.07
Feb								
02...	.003	.037	.005	.015	.028	--	4	.04
Mar								
02...	.003	.038	.008	.028	.083	57	28	.39
09...	.007	.057	.009	.017	.048	64	13	.22
Apr								
06...	<.003	.037	.010	.017	.045	--	14	.35
21...	.004	.047	.005	.022	.030	--	9	.21
27...	.006	.050	.009	.019	.060	--	39	1.6
May								
03...	.004	.043	.009	.018	.042	--	15	.53
05...	.005	.036	.010	.022	.075	--	56	2.7
13...	.004	.032	.009	.024	.039	--	22	.89
16...	.004	.035	.010	.027	.115	17	57	4.0
17...	.004	.033	.009	.030	.055	--	64	3.5
19...	.003	.027	.011	.035	.099	33	110	8.3
20...	.005	.029	.012	.034	.076	24	104	8.1
23...	.010	.033	.012	.018	.090	23	112	9.1
25...	.016	.019	.009	.015	.051	--	64	5.0
25...	.005	.027	.013	.018	.136	32	180	18
27...	.004	.027	.012	.017	.140	26	230	24
31...	.004	.023	.010	.020	.051	--	63	4.9
Jun								
08...	.004	.012	.009	.028	.043	--	30	1.9
15...	.004	.010	.010	.017	.038	--	33	2.0
22...	.003	.010	.009	.016	.030	--	11	.48
Jul								
08...	.004	.011	.009	.018	.025	--	8	.24
Aug								
01...	.004	.014	.010	.016	.023	--	6	.11
01...	.004	.013	.011	.016	.025	--	--	--
Sep								
12...	.003	.011	.010	.018	.026	--	7	.09
27...	.008	.006	.013	.024	.052	--	7	.09